

Title (en)
NEW PHYSIOLOGICALLY ACTIVE SUBSTANCE ERBSTATIN ANALOGOUS COMPOUNDS

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Application
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Abstract (en)
[origin: EP0238868A2] The present invention provides new physiological active substance erbstatin analogue compounds of a general formula (I), which have excellent tyrosine-specific protein-kinase inhibitory activity, antitumor activity and antimicrobial activity.in which $R^{(1)}$ represents a hydrogen atom, a lower alkanoyl group or a lower alkyl group; n represents a positive integer of 1 to 3; X represents a hydrogen atom or a halogen atom; Y represents a group of formula $-CH=CH-NC$, $-CH=CH-NHR^{(2)}$ or $-CH_2-CH_2-NHR^{(2)}$ (where $R^{(2)}$ represents a formyl group or a lower alkanoyl group; with the exception of the cases where X is hydrogen atom, ($R^{(1)}=0$) n group is 2,5-dihydroxy group and Y is $-CH=CH-NHCHO$ or $-CH_2-CH_2-NHCHO$).The present invention further provides a tyrosine-specific protein-kinase inhibitor, tumoricide or bactericide containing at least one compound of the said formula (I).

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Citation (search report)
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• [A] JOURNAL OF ANTIBIOTICS. vol. XXXIX, NO. 1, Januari 1986, pages 170-173, H. UMEZAWA et al.: "Studies on a new epidermal growth factor-receptor kinase inhibitor, erbstatin, produced by MH435-hF3"

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